

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4216	(human-machine adj interface) or (human adj machine adj interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L2	671	L1 navigation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L3	241	L2 and node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L4	422	700/20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L5	1743	700/83.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L6	0	715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L7	793	715/854.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L8	793	715/854.ccls. or 715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L9	2889	715/854.ccls. or 715/514.ccls. or 700/83.ccls. or 700/20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16

L10	116	L9 and (HMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L11	5842	(HMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L12	18	HMI adj editor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L13	123	(HMI adj editor) or (Human Machine Interface adj editor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L14	19	((HMI adj editor) or (Human adj Machine adj Interface adj editor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L15	75	((HMI adj editor) or ((Human adj Machine adj Interface) adj editor) or (man adj machine adj interface)) and (user adj screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L16	7	09/607369	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L17	14	((HMI adj editor) or ((Human adj Machine adj Interface) adj editor)) and hierarch\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L18	14	((HMI adj editor) or ((Human adj Machine adj Interface) adj editor)) and hierarch\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L19	11	L18 and zoom\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16

L20	89	((HMI) or (Human adj Machine adj Interface)) and hierarch\$7 and zoom \$5 and (render or supply or provide or furnish or yield or return or give, or deliver or depict or show or display)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L21	455	(HMI or (Human adj Machine adj Interface)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L22	33	(HMI or (Human adj Machine adj Interface)).ti. and hierarc\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L23	68	(HMI or (Human adj Machine adj Interface)).ab. and hierarc\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L24	12	L23 and leaf and node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L25	3	L23 and leaf and node zoom	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L26	478	(715/771).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L27	37	(715/771).ccls. and (715/763).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L28	23	(715/771).ccls. and (715/762).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L29	5	(715/771).ccls. and (715/762).ccls. and hierarch \$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16

L30	6	("5301301"   "5592600"   "6054986"   "6437805"   "6449624"   "6593947").pn.	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:16
L31	572	(HMI or (Human adj Machine adj Interface)) and hierarch\$10 and specification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L32	572	(HMI or (Human adj Machine adj Interface)) and hierarch\$10 and (specification)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L33	33	("5042002" "5093794" "5377309" "5398336" "5412756" "5548756" "5787438" "5815539" "5911143" "5920711" "5943675" "6028819" "6081750" "6108662" "6157864" "6161051" "6167406").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/07 09:16
L34	17	("5042002" "5093794" "5377309" "5398336" "5412756" "5548756" "5787438" "5815539" "5911143" "5920711" "5943675" "6028819" "6081750" "6108662" "6157864" "6161051" "6167406").pn.	US-PGPUB; USPAT	OR	ON	2008/07/07 09:16
L35	4	L34 and zoom	US-PGPUB; USPAT	OR	ON	2008/07/07 09:16
L36	27	providing screen navigation editor linked hierarch\$9 HMI screen node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L37	51	providing screen navigation editor hierarch\$9 (HMI or (Human adj Machine adj Interface)) screen node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L38	745	(715/762).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L39	3	editor hierarch\$9 (root adj node) (specification or Specify) with (HMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16

L40	4	editor hierarch\$9 (root adj node) (specification or Specify) SAME (HMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L41	132	(715/771).ccls. and node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L42	27	L41 and root	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L43	17	L42 and specification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L44	140	(715/771).ccls. and hierarch \$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L45	33	(715/771).ccls. and hierarch \$9 root	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L46	457	hierarch\$9 (root adj node) editor navigation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L47	448	L46 and interface	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L48	148	L47 industrial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L49	6757	hierarch\$9 (root adj node)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16

L50	3885	L49 and specification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L51	2906	L50 relationship	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L52	1475	L51 arrangement	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L53	27	L49 and 715/762.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L54	6	L52 and 715/762.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L55	28	Specify adj root adj node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L56	11	zoom and HMI adj editor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L57	202	zoom and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L58	28	second adj screen and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L59	28	(second adj screen) and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16

L60	923	700/17.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L61	1167	700/204.ccls. or 700/15-17. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L62	1466	button and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L63	6	first adj (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L64	4216	(Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L65	1013	L64 node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L66	765	L64 node link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L67	293	L64 node same link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L68	121	L67 and hierarch\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L69	362	(Human adj Machine adj Interface) and editor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16

L70	166	(Human adj Machine adj Interface) and navigating	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L71	671	(Human adj Machine adj Interface) and navigation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L72	407	L71 and links	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L73	87	L71 and linking	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L74	56	L73 and edit\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L75	37	hierarch\$9 (root adj node) (specification SAME (HMI or ((human-machine adj interface) or (human adj machine adj interface))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L76	460	hierarch\$9 specification and (HMI or (human-machine adj interface) or (human adj machine adj interface)) link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L77	51	hierarch\$9 specification and (HMI or (human-machine adj interface) or (human adj machine adj interface)) SAME link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L78	28	hierarch\$9 specification and (HMI or (human-machine adj interface) or (human adj machine adj interface)) WITH link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L79	265	creat\$5 WITH (HMI or (human-machine adj interface) or (human adj machine adj interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16



L80	79	L79 and hierarc\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L81	100	(HMI or (human-machine adj interface) or (human adj machine adj interface)) adj screen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L82	2	"6618856".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L83	11	2002/0120921	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L84	2	"20020120921".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L85	2	"6421571".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L86	12	(HMI or (Human adj Machine adj Interface)) and hierarc\$10 and leaf parent collision	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L87	50	(HMI or (Human adj Machine adj Interface)) and hierarc\$10 and leaf obtaining	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L88	793	715/854.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L89	0	715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16

L90	1743	700/83.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L91	90	715/726.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L92	1743	700/83.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L93	0	715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L94	9	"6055369".pn. "6407758". pn. "5812135".pn. "5911145".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/07 09:16
L95	2	("20020120921").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/07 09:16
L96	2	"5911145".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L97	13	(US-20020120921-\$).did. or (US-6975914-\$ or US- 6889096-\$ or US-6754885- \$ or US-6054986-\$ or US- 4914568-\$ or US-5301301- \$ or US-6618856-\$ or US- 5386459-\$ or US-6862105- \$ or US-5566333-\$ or US- 5911145-\$ or US-7017116- \$ or US-6549221-\$ or US- 6684264-\$).did.	US-PGPUB; USPAT	AND	ON	2008/07/07 09:16
L98	123	(HMI adj editor) or (Human Machine Interface adj editor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16

L99	84	((HMI with editor) or ((Human Machine Interface) with editor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L100	57	("HMI" with editor) or ((Human adj Machine adj Interface) with editor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L101	120	("HMI" with edit\$3) or ((Human adj Machine adj Interface) with edit\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L102	3	((("HMI" with edit\$3) or ((Human adj Machine adj Interface) with edit\$3)) collision	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L103	337	((("HMI" or ((Human adj Machine adj Interface))) collision	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L104	3	((("HMI" or ((Human adj Machine adj Interface))) (collision near3 node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L105	5	((("HMI" or ((Human adj Machine adj Interface))) (collision with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L106	7	((("HMI" or ((Human adj Machine adj Interface))) (node near (intersect\$3 or overlap\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L107	17	((("HMI" or ((Human adj Machine adj Interface))) (node near3 (intersect\$3 or overlap\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16

L108	22	((("HMI" ) or ((Human adj Machine adj Interface))) (node with (intersect\$3 or overlap\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L109	2	((("HMI" ) or (Human adj Machine adj Interface)) (leaf with parent) (((intersect\$3 or overlap\$3 or collide or collision) same (leaf or parent or node ) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L110	1869	((monitoring or program\$4 or controll\$3) with ((automation near2 machine) or (automation near2 process\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L111	166	L110 (screens)!	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L112	48	L111 tree	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L113	45	L112 node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L114	31	L113 parent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L115	5	L114 (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L116	5	L111 tree (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16

L117	28	L110 (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L118	203	( "20040205726" "20040015928" "20040205536" "20040205535" "20040163046" "20050243735" "20050063337" "20050116953" "20050038533" "20040006744" "20040003348" "20040006614" "20040015486" "20040024625" "20060155654" "20040032422" "20040044636" "20040044702" "20040053645" "20040064556" "20040064523" "20040064522" "20040205594" "20040068521" "20040068491" "20040073579" "20040073659" "20040078264" "20050188108" "20040085912" "20040085347" "20040085329" "20040088294" "20040085367" "20040088678" "20040088305" "20040059522" "20040059521" "20040093560" "20040098474" "20060143202" "20040012641" "20040012640" "20040111711" "20040210464" "20040117336" "20040122789" "20040003349" "20040119753" "20040119743" "20040064802"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/07 09:16

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L119	102	("20040205726" "20040015928" "20040205536" "20040205535" "20040163046" "20050243735" "20050063337" "20050116953" "20050038533" "20040006744" "20040003348" "20040006614" "20040015486" "20040024625" "20060155654" "20040032422" "20040044636" "20040044702" "20040053645" "20040064556" "20040064523" "20040064522" "20040205594" "20040068521" "20040068491" "20040073579" "20040073659" "20040078264" "20050188108" "20040085912" "20040085347" "20040085329" "20040088294" "20040085367" "20040088678" "20040088305" "20040059522" "20040059521" "20040093560" "20040098474" "20060143202" "20040012641" "20040012640" "20040111711" "20040210464" "20040117336" "20040122789"	US-PGPUB	OR	ON	2008/07/07 09:16

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L120	13	L119 overlap	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L121	21	((intersect\$3 or overlap\$3 or collide or collision) L118	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L122	1	((intersect\$3 or overlap\$3 or collide or collision) L118 (updat\$3 with position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L123	38	((intersect\$3 or overlap\$3 or collide or collision) L110 (updat\$3 with position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L124	3	L110 ((intersect\$3 or overlap \$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L125	4	((("HMI" or ((Human adj Machine adj Interface))) (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16

L126	8946	((monitoring or program\$4 or controll\$3) same ((automation with machine) or (automation with process\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L127	3	L126 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L128	2	ScreenNavNodes	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L129	14388	((("HMI") or ((Human adj Machine adj Interface))) or L126	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L130	4	L129 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L131	3	L129 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same parent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L132	45	L129 ((intersect\$3 or overlap\$3 or collide or collision) same parent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L133	136	L129 ((intersect\$3 or overlap\$3 or collide or collision) same node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L134	23663	((("HMI") or (Human adj Machine adj Interface) or (Supervisory adj Control)) or L126	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16

L135	54	L134 ((intersect\$3 or overlap\$3 or collide or collision) same parent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L136	120	L134 ((intersect\$3 or overlap\$3 or collide or collision) with (parent or child or node))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L137	54	L134 ((intersect\$3 or overlap\$3 or collide or collision) with (parent or child or node)) tree	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L138	9	L134 ((intersect\$3 or overlap\$3 or collide or collision) with (parent or child or node)) tree visibility	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L139	3	tree (node with visibility) ("HMI") or (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L140	116	715/965.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L141	207	715/967.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L142	82	L141 node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L143	33	L141 node parent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16

L144	7	L141 parent adj node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L145	2	L141 (parent adj node) (intersect\$3 or overlap\$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L146	3	(715/964.ccls. or 715/965. ccls. 715/966.ccls. 715/967. ccls. 715/969.ccls. 715/970. ccls.) (parent adj node) (intersect\$3 or overlap\$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L147	7	(715/964.ccls. or 715/965. ccls. or 715/966.ccls. or 715/967.ccls. or 715/969. ccls. or 715/970.ccls.) AND ((intersect\$3 or overlap\$3 or collide or collision) with node) AND (intersect\$3 or overlap\$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L148	12	(updat\$3 with hierarchy) (node with spacing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L149	12	(updat\$3 with hierarchy) (node with spacing) parent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L150	4	"screen navigation editor"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L151	1	2004-315841.NFRAN.	DERWENT	AND	ON	2008/07/07 09:16
L152	18	Human machine interface screen naviga\$4 config\$5 designing collection linked hierarchically organized screen nodes HMI editor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16

L153	34	Human machine interface screen navigat\$3 config\$5 design\$3 collection link\$3 hierarchical\$2 organiz\$2 screen node HMI editor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L154	26	Human machine interface screen navigat\$3 config\$5 design\$3 collection link\$3 hierarchical\$2 organiz\$2 screen node HMI editor ((intersect\$3 or overlap\$3 or collide or collision) or (drag near3 drop))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L155	5	Human machine interface screen navigat\$3 config\$5 design\$3 collection link\$3 hierarchical\$2 organiz\$2 screen node HMI editor (drag near3 drop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L156	11	hierarchical\$2 node tree HMI editor (drag near3 drop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L157	7	hierarchical\$2 node tree HMI editor (drag near3 drop) (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L158	2	hierarchical\$2 node tree HMI editor (drag near3 drop) (parent with updat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L159	2	hierarchi\$5 node tree HMI editor (drag near3 drop) (parent with (updat\$3 or refresh or recreate or restore or regenerate or correct))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L160	5	hierarchi\$5 tree HMI (drag near3 drop) (node with (updat\$3 or refresh or recreate or restore or regenerate or correct))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16

L161	5	hierarchi\$5 tree HMI (drag near3 drop) (node with (updat\$3 or refresh\$3 or recreat\$3 or restor\$3 or regenerat\$3 or correct\$3))	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L162	0	hierarchi\$5 tree HMI (drag near3 drop) near3 (over or "on" or "top of")(node with (updat\$3 or refresh\$3 or recreat\$3 or restor\$3 or regenerat\$3 or correct\$3))	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L163	104	hierarchi\$5 tree (drag near3 drop) (node with (placement or arrangement or layout ))	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L164	650	hierarchi\$5 tree (automatic \$4 with parent)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:16
L165	51	hierarchi\$5 tree (drag near3 drop) (node with (placement or arrangement or layout )) (collide or collision or intersection)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L166	29	hierarchi\$5 tree (drag near3 drop) (node with (placement or arrangement or layout )) ((collide or collision or intersection) with node)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L167	27	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with parent) (collide or collision or intersection)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L168	11	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with parent) ((collide or collision or intersection) with (node or parent or child or leaf))	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17

L169	22	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with (node or parent or child or leaf)) ((collide or collision or intersection) with (node or parent or child or leaf))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L170	18	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with (node or parent or child or leaf)) ((collide or collision or intersection) near4 (node or parent or child or leaf))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L171	1	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with position with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L172	1	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with (\$3position\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L173	4	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting)) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L174	13	hierarchi\$5 tree (drag near3 drop) ((automatic\$4 or recursiv\$2 or spontaneous\$2 or automated or reflexivly or impulsivly or voluntarily) with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17

		with parent with node)				
L175	13	hierarchi\$5 tree (drag near\$3 drop) ((automatic\$4 or recursiv\$2 or spontaneous\$2 or automated or reflexivly or impulsivly or voluntarily) with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or situat\$3 (re adj distrib \$5) or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L176	13	hierarchi\$5 tree (drag near\$3 drop) ((automatic\$4 or recursiv\$2 or spontaneous\$2 or automated or reflexivly or impulsivly or voluntarily) with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or situat\$3 (re adj distrib \$5) or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3 or distribut\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L177	82	tree (node adj editor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L178	9	tree (node adj editor) layout	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17



L179	40	tree (node adj editor) ((layout or position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or situat\$3 (re adj distrib \$5) or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3 or distribut\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L180	400	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L181	324	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L182	323	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally parent (child or leaf)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L183	324	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L184	478	edit\$3 (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17

L185	46	edit\$3 (position or location or layout or collection or arrangement) tree horizontal vertical ((spacing or distanced or distancing) same node) aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L186	1396	345/440.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L187	72	(editing tree).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L188	108	(edit\$3 tree).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L189	1	1990-101229.NFAN.	DERWENT	AND	ON	2008/07/07 09:17
L190	0	345/440.ccls. 715/514.ccls. 715/764.ccls. 715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L191	44	345/440.ccls. 715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L192	0	345/440.ccls. 715/514.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L193	44	345/440.ccls. 715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17

L194	2	(update adj parent) node tree leaf spacing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L195	21	(update adj parent) node tree leaf distance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L196	1	(updating adj parent) node tree leaf spacing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L197	11	(updat\$3 near3 parent) node tree leaf spacing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L198	19	(US-20030191608-\$ or US- 20020120921-\$).did. or (US-6259458-\$ or US- 6054986-\$ or US-5606654- \$ or US-5432897-\$ or US- 5386459-\$ or US-6067477- \$ or US-6975914-\$ or US- 6889096-\$ or US-6754885- \$ or US-6618856-\$ or US- 7017116-\$ or US-4914568- \$ or US-5301301-\$ or US- 6862105-\$ or US-6144962- \$ or US-5911145-\$ or US- 5870559-\$ or US-6549221- \$ or US-6684264-\$).did. or (JP-05307476-\$).did.	US-PGPUB; USPAT; JPO	AND	ON	2008/07/07 09:17
L204	1175	("20010034659"   "20020022900"   "20030004874"   "20030176940"   "20030177046"   "20030181991"   "20040046997"   "3665172"   "3810119"   "3825905"   "4006464"   "4064394"   "4096566"   "4141066"   "4276593"   "4302820"   "4312068"   "4315315"   "4323966"   "4347563"   "4399513"   "4410942"   "4413314"   "4423486"   "4428044"	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17

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"4466098"	"4471457"
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"4959774"	"4965717"
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"5797038"	"5801770"
"5801942"	"5805171"
"5805442"	"5805922"
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L205	125	L204 (parent or root or (top adj level) or (top adj most) or father or mother) near3 node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L206	39	L204 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L213	1342	("20010029506"   "20010045965"   "20010056429"   "20020015034"   "20020026461"   "20020032768"   "20020054166"   "20020057297"   "20020089541"   "20020089550"   "20020109680"   "20020130907"   "20020140700"   "20020152150"   "20020154171"   "20020154175"   "20020163517"   "20020174147"   "20030004995"   "20030020762"   "20030065608"   "20030069834"   "20030095156"   "20030097325"   "20030106057"   "20030112280"   "20030115023"   "20030117432"   "20030120659"   "20030126068"   "20030126601"   "20030137541"	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17



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"6216152"	"6219053"
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L214	144	L213 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L215	31	L213 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3)) (intersect\$3 or overlap \$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17

L216	15	L213 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3)) ((intersect\$3 or overlap\$3 or collide or collision) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L217	381	(("20030050915"   "3816726"   "4524421"   "4528643"   "4613946"   "4698752"   "4710763"   "4719571"   "4807158"   "4833592"   "4841292"   "4868771"   "4928247"   "4994989"   "5043920"   "5072395"   "5150457"   "5164904"   "5201047"   "5226120"   "5228119"   "5247517"   "5247666"   "5251131"   "5253333"   "5276789"   "5282262"   "5295243"   "5295244"   "5297241"   "5303388"   "5307456"   "5325445"   "5333254"   "5337404"   "5339390"   "5379422"   "5386394"   "5394522"   "5412772"   "5418946"   "5420968"   "5426780"   "5428744"   "5459829"   "5463773"   "5467444"   "5479597"   "5504863"   "5515486"   "5515488"   "5519865"   "5526478"   "5528735"   "5546529"   "5553163"   "5555354"   "5557714"   "5559942"   "5572640"   "5592599"   "5604821"   "5619632"   "5623590"   "5634087"   "5644740"   "5659731"   "5671333"   "5671381"   "5675711"   "5675785"   "5675786"   "5678015"   "5680476"   "5684967"   "5694524"   "5696964"   "5706495"   "5715432"   "5724573"   "5727199"   "5732230"   "5737487"   "5748852"   "5751965"   "5761664"   "5761667"   "5774669"   "5786820"   "5787274"   "5802383"   "5821937"   "5861891"   "5870768"   "5877775"	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17

		"5958008"   "5966128"   "6055539"   "6067093"   "B14555775").PN. OR ("5450535"   "5590250"   "5877766"   "6067093"   "6111578"   "6137493"   "6137499"   "6219053"   "6259451"   "6259458"   "6922692").URPN.				
L218	9	L217 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3)) ((intersect\$3 or overlap\$3 or collide or collision) with node)	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L219	123	L213 L217	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L220	78	(hierarchical display).ti.	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L221	36	(hierarchical near3 display) (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3)) ((intersect\$3 or overlap\$3 or collide or collision) with node)	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L222	7	(edit\$3 with hierarchical near3 display) (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3))	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L223	9	(edit\$3 with hierarchical near3 display) (((parent or root) with node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3))	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L224	68	(edit\$3 with (hierarchical or tree) near3 display) (((parent or root) with node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3))	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17

L225	3	((edit\$3 with (hierarchical or tree) near3 display) (((parent or root) with node) with ((intersect\$3 or overlap\$3 or collide or collision) with node))	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L226	243	((hierarchical or tree)) (((parent or root or top) with node) with ((drag\$3 adj over) or drop))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L227	3	((hierarchical or tree)) (((parent or root or top) with node) near5 ((drag\$3 adj over) or (drop adj over)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L228	178	((hierarchical or tree)) (((parent or root or top) with node) near5 ((drag\$3 or drop\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L229	2	"5911145".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L230	621	detect\$4 (collision with between with nodes)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L231	258	detect\$4 same (collision with between with nodes)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L232	2	"7035898".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L233	3	((hierarchical or tree)) (((parent or root or top) with node) with (drag adj over))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17



L234	14107	(hierarchic\$5 tree) (editor or editing or modifying)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L235	66	(hierarchic\$5 tree) (re adj position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L236	39	(hierarchic\$5 tree) (re adj position) node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L237	966	715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L238	381	715/853.ccls. (updat\$3 (parent or node or root))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L239	55	715/853.ccls. (updat\$3 near3 (parent or node or root))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L240	15	715/853.ccls. (reorder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L241	128	715/853.ccls. shift	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L242	4	715/853.ccls. (vertical adj tree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17

L243	152	715/853.ccls. ((node or root or parent) with position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L244	106	715/853.ccls. ((node or root or parent) near3 position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L245	17	715/853.ccls. (adjust near3 position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L246	89	715/853.ccls. (node near3 position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L247	39	715/853.ccls. ((intersection OR overlap or collide or collision or intersection or junction or overlap or cover or overlie) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L248	37	715/853.ccls. ((intersection OR overlap or collide or collision or intersection or junction or overlap or covering or overlie) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L249	28	715/853.ccls. ((intersection OR overlap or collide or collision or intersection or junction or overlap or overlie) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L250	2	"5911145".pn. automatic\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L251	53	715/853.ccls. (node near3 automatic\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17

L252	0	715/853.ccls. (node near3 automatic\$4) with insert	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L253	2	715/853.ccls. (node near3 automatic\$4) with drop	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L254	5	715/853.ccls. (node with automatic\$4 with drop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L255	65	(node with automatic\$4 with ((intersection or overlap or collide or collision or intersection)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L256	1500	drop adj node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L257	87	(drop adj node) editor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L258	127	(Tree adj View adj Control)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L259	408	(shift with (parent or root or node) with right)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L260	142	(shift with (parent or root or node) with right) tree	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17

L261	14	715/853.ccls. Collision	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L262	1	715/853.ccls. (Collision with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L263	40	715/853.ccls. ((Collision or overlap\$3 or intersec\$4) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L264	40	715/853.ccls. ((Collision or overlap\$3 or intersec\$4) with object)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L265	17	715/853.ccls. (adjusting with position )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L266	256	715/853.ccls. layout	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L267	176	L266 automatic\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L268	8	715/853.ccls. (layout with automatic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L269	21	715/853.ccls. (layout with automatic\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17

L270	168	(vertical adj tree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L271	35	(vertical adj tree) (horizontal adj tree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L272	59	("4606002"   "4611272"   "4945475"   "5058144"   "5202986"   "5230047"   "5257365"   "5293616"   "5295261"   "5333317"   "5377281"   "5392363"   "5404510"   "5418947"   "5487166"   "5488717"   "5495609"   "5497485"   "5528701"   "5530957"   "5534861"   "5551027"   "5557786"   "5560007"   "5644763"   "5649023"   "5651099"   "5664172"   "5694591"   "5701467"   "5717921"   "5737732"   "5752243"   "5761652"   "5765168"   "5768423"   "5781772"   "5787430"   "5799184"   "5799299"   "5809296"   "5832182"   "5842196"   "5848416"   "5873087"   "5884297"   "5963956"   "5970170"   "6014659"   "6041053"   "6153591"   "6175835"   "6208993"   "6240418"). PN. OR ("6675173").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L273	109	(visual adj tree)	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L274	489	(dynamic near3 (tree or hierarchy)) visual	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L275	264	(dynamic near3 (tree or hierarchy)) editor	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L276	560	(dynamic near3 (tree or hierarchy)) edit\$3	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L277	9	(dynamic near3 (tree or hierarchy)) with edit\$3	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L278	39	(tree or hierarchy) (relocate near3 node)	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L279	52	(tree near3 structure near3 editor)	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17

L280	41	("4075689"   "4318184"   "4447875"   "4468728"   "4611298"   "4613946"   "4656603"   "4677550"   "4710763"   "4763277"   "4764867"   "4813010"   "4817036"   "4831525"   "4860204"   "4866635"   "4868743").PN. OR ("5493678").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L281	176	(become near3 new near3 parent)	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L282	106	(become near3 new near3 parent) (tree or hierarchy)	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L283	115	(become near3 new near3 parent) (tree or hierarch\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L284	197	(become near3 new near2 (parent or root)) (tree or hierarch\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L285	253	((tree adj structure) near3 edit\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L286	203	(tree adj structure) near3 (editor or editing)	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L287	63	(tree adj structure) near3 (editor or editing) (drag\$3 with drop\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L288	9	(NetObjects).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L289	17	(Arora Samir).inv.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L290	4	("5911145"   "6237006"   "6282454"   "6421571").PN.	USPAT	AND	ON	2008/07/07 09:17

L291	21	(US-20020120921-\$ or US-20030191608-\$).did. or (US-4914568-\$ or US-5432897-\$ or US-5606654-\$ or US-5870559-\$ or US-5911145-\$ or US-6054986-\$ or US-6067477-\$ or US-6144962-\$ or US-6259458-\$ or US-6549221-\$ or US-6618856-\$ or US-6684264-\$ or US-6754885-\$ or US-6889096-\$ or US-6975914-\$ or US-7017116-\$ or US-5386459-\$ or US-6862105-\$ or US-6067093-\$ or US-5493678-\$ or US-5812135-\$).did. or (JP-05307476-\$).did.	US-PGPUB; USPAT; JPO	AND	ON	2008/07/07 09:17
L292	152	L243 position	US-PGPUB; USPAT; JPO	AND	ON	2008/07/07 09:17
L293	18	L291 position	US-PGPUB; USPAT; JPO	AND	ON	2008/07/07 09:17
L294	7	L291 (position near3 node)	US-PGPUB; USPAT; JPO	AND	ON	2008/07/07 09:17
L295	2	L291 (relocat\$3 near3 node)	US-PGPUB; USPAT; JPO	AND	ON	2008/07/07 09:17
L296	21	("4524421"   "4613946"   "4710763"   "4841292"   "5333254"   "5557714"   "5592599"   "5619632"   "5774669"   "5786820"   "5877775").PN. OR ("6259458").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L297	2	"5911145".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L298	2	hierarchi\$5 node tree HMI (drag near3 drop) (parent with (updat\$3 or refresh or recreate or restore or regenerate or correct))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L299	99	(Industrial plant).ti.	USPAT	AND	ON	2008/07/07 09:17
L300	572	(Industrial plant).ab.	USPAT	AND	ON	2008/07/07 09:17
L301	563	(Industrial plant).dm.	USPAT	AND	ON	2008/07/07 09:17
L302	159	(Industrial adj plant).dm.	USPAT	AND	ON	2008/07/07 09:17

L303	250	(Industrial adj plant).dm.	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L304	52	(Industrial adj plant).ti.	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L305	9	(Industrial adj plant).ti. vertical horizontal	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L306	30	(Industrial plant).ti. vertical horizontal	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L307	5	(Industrial plant).ti. vertical horizontal GUI	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L308	5	L307 position	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L309	5	L307 parent position	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L310	5	L307 (parent same position)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L311	5	L307 (parent with position)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L312	0	L307 (parent with adjusting) recursivlyu	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L313	6	HMI adj user adj screens	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L314	82	HMI adj screens	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L315	37	(HMI adj screens) parent	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L316	3	(HMI adj screens) (drag with drop)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L317	0	(process with visualization) (drag with drop)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L318	205	(process with visualization) (drag with drop)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L319	205	(process with visualization) (drag with drop)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L320	118	(process with visualization) (drag with drop) hierarchy	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L321	3	(process with visualization) (Supervisory adj Control adj system) (drag with drop) hierarchy	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L322	1	2004-315841.NFAN.	DERWENT	AND	ON	2008/07/07 09:17
L323	1	2004-315841.NFAN.	DERWENT	AND	ON	2008/07/07 09:17



L324	62749	process visualization	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L325	65	(process with visualization) (drag with drop) editor	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L326	1354	hmi process	US-PGPUB	AND	ON	2008/07/07 09:17
L327	219	(industrial process).ti.	US-PGPUB	AND	ON	2008/07/07 09:17
L328	2181	(industrial process).clm.	US-PGPUB	AND	ON	2008/07/07 09:17
L329	535	(industrial near process). clm.	US-PGPUB	AND	ON	2008/07/07 09:17
L330	495	(industrial adj process). clm.	US-PGPUB	AND	ON	2008/07/07 09:17
L331	23	(industrial adj process). clm. GUI	US-PGPUB	AND	ON	2008/07/07 09:17
L332	0	(industrial adj process). clm. GUI editor.ti.	US-PGPUB	AND	ON	2008/07/07 09:17
L333	5	(process editor).ti.	US-PGPUB	AND	ON	2008/07/07 09:17
L334	12	(hmi with editor) "715". clas.	US-PGPUB	AND	ON	2008/07/07 09:17
L335	31	(hmi with editor)	US-PGPUB	AND	ON	2008/07/07 09:17
L336	24	(hmi with editor) position	US-PGPUB	AND	ON	2008/07/07 09:17
L337	35	((hmi or (human adj machine adj interface)) with edit\$3) position	US-PGPUB	AND	ON	2008/07/07 09:17
L338	5	((hmi or (human adj machine adj interface)) with edit\$3) position (dragged with top)	US-PGPUB	AND	ON	2008/07/07 09:17
L339	207	715/967.ocls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L340	48	715/967.ocls. industrial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17

L341	25	715/967.ccls. industrial (drag or drop)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:17
L342	25	715/967.ccls. industrial (drag or drop)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L343	67	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L344	16	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop) parent node	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L345	7	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop) parent same node	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L346	7	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop) (parent same node)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L347	1	"5905989".pn.	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L348	81	("4591983"   "4628435"   "4644479"   "4719586"   "4803039"   "4815014"   "4839823"   "4853175"   "4855923"   "4858102"   "4947095"   "5068080"   "5099436"   "5119318"   "5148363"   "5161110"   "5189604"   "5195029"   "5214577"   "5216612"   "5239547"   "5249260"   "5251144"   "5267141"   "5305426"   "5333240"   "5355444"   "5398304"   "5402526"   "5403447"   "5406502"   "5412756"   "5414632"   "5442562"   "5463545"   "5463567"   "5511004"   "5521844"   "5541832"   "5557549"   "5559691"   "5561610"   "5617514"   "5630025"   "5659743").PN. OR ("5905989").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:17
L349	25	((715/967.ccls.) OR (715/771.ccls.)) (parent with node)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L350	13	((715/967.ccls.) OR (715/771.ccls.)) (parent with node) hierarchy	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17

L351	10	((715/967.ccls.) OR (715/771.ccls.)) (parent with position)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L352	10	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L353	10	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node) parent node	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L354	4	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node) parent node recursively	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L355	4	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node) recursively	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L356	171	industrial (parent adj node) recursively	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L357	156	industrial (parent adj node) recursively (not (INDUSTRIAL adj APPLICABILITY))	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L358	11	industrial plant (parent adj node) recursively	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L359	1	(10/196007).APP.	USPAT; USOCR	AND	ON	2008/07/07 09:17
L360	2	(industrial with plant) (automated with controller) (recursively with update)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L361	2	"20040128120".pn. or "20040073404".pn.	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L362	310	(node with collision) industrial	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L363	45	(node with collision) industrial plant	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L364	18	(node with overlap) industrial plant	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L365	8	((715/967.ccls.) OR (715/771.ccls.)) industrial (drop with top)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L366	2	((715/967.ccls.)) (drop with top)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L367	57	(drop same (updat\$3 with hierarchy))	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L368	11	(automated adj machine adj controller)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L369	1432	(automated )(machine adj controller)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L370	339	(automated )(machine adj controller) cell control	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17

L371	339	(automated )(machine adj controller) (cell control)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L372	3	(automated )(machine adj controller) (cell adj control)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L373	3	(715/967.ccls.) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:17
L374	1	(industrial near3 plant) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L375	38	((manufactur\$3 or industrial or automation) near3 plant) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L376	48	((manufactur\$3 or industrial or automation or process\$3) near3 plant) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L377	33	(vertical adj tree) (horizontal adj tree)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L378	2320	(vertical\$5 with tree) (horizontal\$5 with tree)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L379	112	(vertical\$5 with tree) (horizontal\$5 with tree) (drag\$4 drop\$4)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L380	7	(vertical\$5 with tree) (horizontal\$5 with tree) (drag\$4 drop\$4) ((manufactur\$3 or industrial or automation or process\$3) near3 plant)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L381	11	industrial plant (drag adj drop) recursively	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L382	21	"6282455"	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L383	2	industrial plant (drag adj drop) (recursively with updat\$3)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L384	41	industrial plant (drag drop) (recursive\$3)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L385	17	industrial plant (drag drop) (recursive\$3) tree	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L386	2	industrial ((drag drop) same (recursive\$3))	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L387	26	industrial ((drag or drop) same (recursive\$3))	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L388	1	"7165226".pn.	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L389	3	"6,889,096"	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:18

L390	20	("20050004781"   "5072412"   "5247433"   "6189019"   "6587108"   "6795798"   "6888554"   "6889096"   "6947798"   "6966033").PN.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:18
L391	10	("20050004781"   "5072412"   "5247433"   "6189019"   "6587108"   "6795798"   "6888554"   "6889096"   "6947798"   "6966033").PN.	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L392	1	"6477435".pn.	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L393	11	("5812394"   "5822206"   "6161051").PN. OR ("6477435").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:18
L394	1	"20060256084".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:18
L395	3	("5546521"   "5777616"   "6347800").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:18
L396	3	("6055369"   "20010029506"   "5926180").pn.	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L397	2	"6421571".pn.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:18
L398	71	("4399513"   "4413314"   "4644479"   "4803039"   "4872121"   "4985857"   "5202828"   "5291416"   "5311562"   "5559691"   "5602757"   "5623109"   "5631825"   "5675752"   "5719796"   "5748881"   "5822743"   "5826251"   "5838588"   "5854994"   "5859885"   "5870698"   "5877961"   "5899990"   "5905985"   "5905989"   "5918225"   "5963884"   "5995916"   "RE31750"). PN. OR ("6421571").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:18
L399	4	L398 drag drop	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:18
L400	146	(Industrial plant).ti.	US-PGPUB; USPAT; USOCR	AND	ON	2008/07/07 09:18
L401	36	(Industrial plant).ti.	US-PGPUB	AND	ON	2008/07/07 09:18

L402	70	"5911145"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:18
L403	4	"5911145" industrial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:18
L404	63	"5911145" process	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:18
L405	50	"5911145" process control	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:18
L406	18	"5911145" process with control	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:18
L407	7	(vertical\$5 with tree) (horizontal\$5 with tree) (drag\$4 drop\$4) (((manufactur\$3 or industrial or automation or process\$3 or scada) near\$3 plant)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L408	2	"6282454".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:18
L409	1	"6282454".pn.	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18

L410	22	(US-20030028269-\$ or US-20030101021-\$ or US-20030191608-\$ or US-20030023518-\$).did. or (US-6054986-\$ or US-4914568-\$ or US-6975914-\$ or US-6854111-\$ or US-6067477-\$ or US-6754885-\$ or US-6618856-\$ or US-7017116-\$ or US-6259458-\$ or US-6067093-\$ or US-5606654-\$ or US-5432897-\$ or US-6144962-\$ or US-5870559-\$ or US-5493678-\$ or US-6549221-\$ or US-6684264-\$ or US-5812135-\$).did.	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L411	1	L410 drag with top	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L412	25	("4812996"   "4868785"   "4884228"   "5136705"   "5155836"   "5481741"   "5630164"   "5812394"   "5966532"   "5991537"   "5309352"   "5801942"   "5828851"   "5838563"   "5970471"   "6053951"   "6061057"   "6064816"   "6098028"   "6173438"   "6219628"   "6785805"   "6083267"   "6167383"   "6339763").PN.	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L413	15	L412 (drop or drag)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L414	1	industrial (recursively with update with (hierarchy or tree))	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L415	1	industrial (recursively same update with (hierarchy or tree))	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L416	1	industrial (recursively same (update with (hierarchy or tree)))	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L417	35	(recursively same (update with (hierarchy or tree)))	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L418	6	(update with (hierarchy or tree)) (industrial plant).ab.	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L419	2	(recursively with updat\$3) hierarchy (drag\$3 or drop \$3) (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18

L420	2	(recursively with updat\$3) hierarchy (drag\$3 or drop \$3 or "on top of") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L421	2	(recursively with updat\$3) hierarchy (drag\$3 or drop \$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L422	75	(updat\$3) hierarchy (drag \$3 or drop\$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L423	0	((updat\$3) with hierarchy) (drag\$3 or drop\$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L424	8	((updat\$3) with (hierarchy or tree or link)) (drag\$3 or drop\$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L425	3053	(industrial adj plant).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:18
L426	261	(industrial adj plant).ab.	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L427	566	(715/965.ccls. or 715/966.ccls. or 715/967.ccls. or 715/969.ccls. or 715/970.ccls.)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L428	109	L427 industrial	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L429	37	L428 Hierarchic\$4	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L430	22	L429 (drag\$3 or drop\$3)	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L431	2169	(human-machine adj interface) or (human adj machine adj interface) rearrang\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:18
L432	2132	(human-machine adj interface) or (human adj machine adj interface) rearrang\$4 tree hierarch\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:18
L433	2128	(human-machine adj interface) or (human adj machine adj interface) rearrang\$4 tree hierarch\$4 dragging	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/07/07 09:18



L434	1719	((human-machine adj interface) or (human adj machine adj interface) rearrang\$4 tree hierarch\$4 dragging @AD<"20020923" expand \$3 collaps\$3 tree structure	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L435	2	((human-machine adj interface) or (human adj machine adj interface)) rearrang\$4 tree hierarch\$4 dragging @AD<"20020923" expand \$3 collaps\$3 tree structure	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L436	8	("2003/0028269").URPN.	USPAT	AND	ON	2008/07/07 09:18
L437	2	("5877775"   "5701137").pn.	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L438	2	((human-machine adj interface) or (human adj machine adj interface) or (Computerized adj Maintenance adj Management adj System )) rearrang\$4 tree hierarch\$4 dragging @AD<"20020923" expand \$3 collaps\$3 tree structure	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L439	2	((human-machine adj interface) or (human adj machine adj interface) or (Computerized adj Maintenance adj Management adj System )) rearrang\$4 tree hierarch\$4 dragging @AD<"20020923" expand \$3 collaps\$3 ((Tree adj Object) or (Tree adj View))	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L440	1712	SCADA	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L441	74	SCADA tree hierarch\$4 dragging	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L442	23	SCADA tree hierarch\$4 dragging @AD<"20020923"	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18

L443	20	(US-20020077711-\$ or US-20030037322-\$ or US-20030037316-\$ or US-20030035010-\$ or US-20030035009-\$ or US-20030035006-\$ or US-20030035005-\$ or US-20030034998-\$ or US-20030071845-\$ or US-20030071842-\$ or US-20030184596-\$ or US-20030184595-\$ or US-20030184580-\$).did. or (US-6067477-\$ or US-6477434-\$ or US-6754885-\$ or US-7062718-\$ or US-7089530-\$ or US-7096465-\$ or US-7134090-\$ or US-7206646-\$).did.	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L444	10	SCADA tree hierarch\$4 dragging recur\$	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L445	1	09/448845.app.	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
L446	42	(US-20030023518-\$ or US-20020077711-\$ or US-20030028269-\$ or US-20030037322-\$ or US-20030071842-\$ or US-20030071845-\$ or US-20030184580-\$ or US-20030184595-\$ or US-20030034998-\$ or US-20030035005-\$ or US-20030035006-\$ or US-20030035009-\$ or US-20030035010-\$ or US-20030037316-\$ or US-20030184596-\$ or US-20030191608-\$ or US-20030101021-\$).did. or (US-7096465-\$ or US-7134090-\$ or US-7206646-\$ or US-6975914-\$ or US-6054986-\$ or US-5838563-\$ or US-6477434-\$ or US-7089530-\$ or US-7062718-\$ or US-6754885-\$ or US-6067477-\$ or US-6854111-\$ or US-6618856-\$ or US-7017116-\$ or US-4914568-\$ or US-6144962-\$ or US-5870559-\$ or US-6684264-\$ or US-6549221-\$ or US-6259458-\$ or US-6067093-\$ or US-5606654-\$ or US-5432897-\$ or US-5493678-	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18

		\$ or US-5812135-\$ or US-6053951-\$).did.				
L447	39	L446 not ("20020120921"   "57011137"   "5877775"   "5911145"   "6054986"   "6237006"   "6282454"   "6421571"   "6477435"   "6854111"   "6965855"   "7017116").PN.	US-PGPUB; USPAT	AND	ON	2008/07/07 09:18
S214	2446	(human-machine adj interface) or (human adj machine adj interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/14 15:37
S215	351	S214 navigation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 10:46
S216	120	S215 and node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 13:30
S217	293	700/20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 15:33
S218	1419	700/83.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 13:45
S219	369	715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 15:36
S220	625	715/854.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 15:37
S221	979	715/854.ccls. or 715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 15:37
S222	2643	715/854.ccls. or 715/514.ccls. or 700/83.ccls. or 700/20.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 15:37

S223	67	S222 and (HMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 15:40
S225	3751	(HMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 12:17
S228	14	HMI adj editor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 16:42
S229	90	(HMI adj editor) or (Human Machine Interface adj editor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 10:28
S230	14	(HMI adj editor) or (Human adj Machine adj Interface adj editor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 16:44
S232	49	((HMI adj editor) or ((Human adj Machine adj Interface) adj editor) or (man adj machine adj interface)) and (user adj screen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 17:20
S234	5	09/607369	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/01 17:22
S235	12	((HMI adj editor) or ((Human adj Machine adj Interface) adj editor)) and hierarch\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 11:29
S237	12	((HMI adj editor) or ((Human adj Machine adj Interface) adj editor)) and hierarch\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 11:45
S238	10	S237 and zoom\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 11:30

S239	59	((HMI) or (Human adj Machine adj Interface)) and hierarch\$7 and zoom \$5 and (render or supply or provide or furnish or yield or return or give, or deliver or depict or show or display)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 12:16
S240	249	((HMI or (Human adj Machine adj Interface)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:08
S242	12	((HMI or (Human adj Machine adj Interface)).ti. and hierarc\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:33
S243	35	((HMI or (Human adj Machine adj Interface)).ab. and hierarc\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 14:25
S244	12	S243 and leaf and node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 13:07
S245	3	S243 and leaf and node zoom	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 13:08
S246	291	(715/771).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:40
S247	20	(715/771).ccls. and (715/763).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 13:57
S248	14	(715/771).ccls. and (715/762).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:03
S249	3	(715/771).ccls. and (715/762).ccls. and hierarch \$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 13:58

S250	6	("5301301"   "5592600"   "6054986"   "6437805"   "6449624"   "6593947").pn.	US-PGPUB; USPAT; USOCR	AND	ON	2006/06/05 14:21
S251	362	(HMI or (Human adj Machine adj Interface)) and hierarch\$10 and specification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 14:48
S253	362	(HMI or (Human adj Machine adj Interface)) and hierarch\$10 and (specification)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 13:34
S254	33	("5042002" "5093794" "5377309" "5398336" "5412756" "5548756" "5787438" "5815539" "5911143" "5920711" "5943675" "6028819" "6081750" "6108662" "6157864" "6161051" "6167406").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 14:35
S255	17	("5042002" "5093794" "5377309" "5398336" "5412756" "5548756" "5787438" "5815539" "5911143" "5920711" "5943675" "6028819" "6081750" "6108662" "6157864" "6161051" "6167406").pn.	US-PGPUB; USPAT	OR	ON	2006/06/05 14:38
S256	4	S255 and zoom	US-PGPUB; USPAT	OR	ON	2006/06/05 14:41
S257	22	providing screen navigation editor linked hierarch\$9 HMI screen node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 14:48
S258	33	providing screen navigation editor hierarch\$9 (HMI or (Human adj Machine adj Interface)) screen node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 14:49
S261	475	(715/762).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:03
S267	3	editor hierarch\$9 (root adj node) (specification or Specify) with (HMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:35

S268	4	editor hierarch\$9 (root adj node) (specification or Specify) SAME (HMI or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:36
S270	82	(715/771).ccls. and node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:40
S271	18	S270 and root	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:38
S272	11	S271 and specification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 15:39
S273	87	(715/771).ccls. and hierarch \$9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:01
S274	21	(715/771).ccls. and hierarch \$9 root	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:01
S277	276	hierarch\$9 (root adj node) editor navigation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:28
S278	270	S277 and interface	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:28
S279	70	S278 industrial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:29
S281	4492	hierarch\$9 (root adj node)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:37

S282	2593	S281 and specification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 17:20
S283	1960	S282 relationship	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:41
S284	990	S283 arrangement	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:51
S285	18	S281 and 715/762.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 17:03
S286	3	S284 and 715/762.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 16:53
S289	18	Specify adj root adj node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/05 17:22
S291	10	zoom and HMI adj editor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 14:28
S292	117	zoom and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:26
S293	17	second adj screen and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:27
S294	17	(second adj screen) and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:49



S295	714	700/17.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:36
S297	921	700/204.ccls. or 700/15-17.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:36
S298	856	button and (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:50
S301	4	first adj (Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:53
S302	2456	(Human adj Machine adj Interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 16:01
S304	561	S302 node	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:54
S305	439	S302 node link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:54
S306	140	S302 node same link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:56
S307	66	S306 and hierarch\$7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 15:56
S309	213	(Human adj Machine adj Interface) and editor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 15:28

S311	95	(Human adj Machine adj Interface) and navigating	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 17:37
S312	354	(Human adj Machine adj Interface) and navigation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 17:37
S313	228	S312 and links	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 17:37
S314	58	S312 and linking	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 17:40
S315	34	S314 and edit\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/07 17:40
S317	30	hierarch\$9 (root adj node) (specification SAME (HMI or ((human-machine adj interface) or (human adj machine adj interface))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 12:19
S318	305	hierarch\$9 specification and (HMI or (human-machine adj interface) or (human adj machine adj interface)) link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 12:22
S319	40	hierarch\$9 specification and (HMI or (human-machine adj interface) or (human adj machine adj interface)) SAME link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 12:22
S320	23	hierarch\$9 specification and (HMI or (human-machine adj interface) or (human adj machine adj interface)) WITH link	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/02 15:19
S327	167	creat\$5 WITH (HMI or (human-machine adj interface) or (human adj machine adj interface))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 14:26

S328	59	S327 and hierarc\$10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 14:22
S329	56	(HMI or (human-machine adj interface) or (human adj machine adj interface)) adj screen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 15:05
S330	2	"6618856".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 15:07
S331	4	2002/0120921	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 15:07
S332	2	"20020120921".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 16:17
S333	2	"6421571".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/08 16:17
S334	8	(HMI or (Human adj Machine adj Interface)) and hierarc\$10 and leaf parent collision	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 13:44
S335	35	(HMI or (Human adj Machine adj Interface)) and hierarc\$10 and leaf obtaining	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 13:57
S336	626	715/854.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 13:58
S337	372	715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 15:27

S338	1423	700/83.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 13:58
S339	67	715/726.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 15:27
S340	1423	700/83.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 15:27
S341	372	715/514.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/15 15:27
S342	8	"6055369".pn. "6407758". pn. "5812135".pn. "5911145".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 15:00
S348	2	("20020120921").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/22 14:27
S350	2	"5911145".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/22 10:54
S351	15	(US-20020120921-\$).did. or (US-6975914-\$ or US- 6889096-\$ or US-6754885- \$ or US-6054986-\$ or US- 4914568-\$ or US-5301301- \$ or US-6618856-\$ or US- 5386459-\$ or US-6862105- \$ or US-5566333-\$ or US- 5911145-\$ or US-7017116- \$ or US-6549221-\$ or US- 6684264-\$).did.	US-PGPUB; USPAT	AND	ON	2006/12/19 10:27
S352	93	(HMI adj editor) or (Human Machine Interface adj editor)	US-PGPUB; USPAT; USOCR; FPFS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 10:28

S353	66	((HMI with editor) or ((Human Machine Interface) with editor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 10:29
S354	43	("HMI" with editor) or ((Human adj Machine adj Interface) with editor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 13:20
S355	79	("HMI" with edit\$3) or ((Human adj Machine adj Interface) with edit\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 13:37
S357	3	((("HMI" with edit\$3) or ((Human adj Machine adj Interface) with edit\$3)) collision	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 13:43
S358	231	((("HMI" or ((Human adj Machine adj Interface))) collision	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:48
S359	2	((("HMI" or ((Human adj Machine adj Interface))) (collision near3 node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 13:45
S360	3	((("HMI" or ((Human adj Machine adj Interface))) (collision with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 13:45
S361	6	((("HMI" or ((Human adj Machine adj Interface))) (node near (intersect\$3 or overlap\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 15:43
S362	6	((("HMI" or ((Human adj Machine adj Interface))) (node near3 (intersect\$3 or overlap\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 15:50

S363	7	((("HMI" ) or ((Human adj Machine adj Interface))) (node with (intersect\$3 or overlap\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:00
S364	2	((("HMI" ) or (Human adj Machine adj Interface)) (leaf with parent) (((intersect\$3 or overlap\$3 or collide or collision) same (leaf or parent or node ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:20
S365	1499	((monitoring or program\$4 or controll\$3) with ((automation near2 machine) or (automation near2 process\$3)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:10
S366	130	S365 (screens)!	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:27
S367	40	S366 tree	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:31
S368	37	S367 node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:29
S369	27	S368 parent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:29
S370	5	S369 (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:32
S371	5	S366 tree (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:01

S372	20	S365 (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 16:32
S373	203	( "20040205726" "20040015928" "20040205536" "20040205535" "20040163046" "20050243735" "20050063337" "20050116953" "20050038533" "20040006744" "20040003348" "20040006614" "20040015486" "20040024625" "20060155654" "20040032422" "20040044636" "20040044702" "20040053645" "20040064556" "20040064523" "20040064522" "20040205594" "20040068521" "20040068491" "20040073579" "20040073659" "20040078264" "20050188108" "20040085912" "20040085347" "20040085329" "20040088294" "20040085367" "20040088678" "20040088305" "20040059522" "20040059521" "20040093560" "20040098474" "20060143202" "20040012641" "20040012640" "20040111711" "20040210464" "20040117336" "20040122789" "20040003349" "20040119753" "20040119743" "20040064802"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/19 17:02

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S374	102	("20040205726" "20040015928" "20040205536" "20040205535" "20040163046" "20050243735" "20050063337" "20050116953" "20050038533" "20040006744" "20040003348" "20040006614" "20040015486" "20040024625" "20060155654" "20040032422" "20040044636" "20040044702" "20040053645" "20040064556" "20040064523" "20040064522" "20040205594" "20040068521" "20040068491" "20040073579" "20040073659" "20040078264" "20050188108" "20040085912" "20040085347" "20040085329" "20040088294" "20040085367" "20040088678" "20040088305" "20040059522" "20040059521" "20040093560" "20040098474" "20060143202" "20040012641" "20040012640" "20040111711" "20040210464" "20040117336" "20040122789"	US-PGPUB	OR	ON	2006/12/19 17:02

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S376	13	S374 overlap	US-PGPUB; USPAT; USOCR; FPRS, EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:03
S377	21	((intersect\$3 or overlap\$3 or collide or collision) S373	US-PGPUB; USPAT; USOCR; FPRS, EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:05
S379	1	((intersect\$3 or overlap\$3 or collide or collision) S373 (updat\$3 with position)	US-PGPUB; USPAT; USOCR; FPRS, EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:06
S380	34	((intersect\$3 or overlap\$3 or collide or collision) S365 (updat\$3 with position)	US-PGPUB; USPAT; USOCR; FPRS, EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:07
S381	2	S365 ((intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FPRS, EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:11
S382	2	((("HMI" or ((Human adj Machine adj Interface))) (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FPRS, EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:07

S383	7242	((monitoring or program\$4 or controll\$3) same ((automation with machine) or (automation with process\$3)))	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:48
S384	2	S383 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:49
S385	2	ScreenNavNodes	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:25
S386	11192	((("HMI") or ((Human adj Machine adj Interface))) or S383	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:52
S387	2	S386 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same node)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:50
S388	2	S386 (intersect\$3 or overlap\$3 or collide or collision) ((updat\$3 with position) same parent)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:50
S389	30	S386 ((intersect\$3 or overlap\$3 or collide or collision) same parent)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:53
S390	93	S386 ((intersect\$3 or overlap\$3 or collide or collision) same node)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:51
S391	19484	((("HMI") or (Human adj Machine adj Interface) or (Supervisory adj Control)) or S383	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:53

S392	38	S391 ((intersect\$3 or overlap\$3 or collide or collision) same parent)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:54
S393	92	S391 ((intersect\$3 or overlap\$3 or collide or collision) with (parent or child or node))	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:56
S394	41	S391 ((intersect\$3 or overlap\$3 or collide or collision) with (parent or child or node)) tree	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:56
S395	7	S391 ((intersect\$3 or overlap\$3 or collide or collision) with (parent or child or node)) tree visibility	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 17:57
S396	3	tree (node with visibility) ("HMI" or (Human adj Machine adj Interface))	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:25
S397	105	715/965.ccls.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:24
S398	183	715/967.ccls.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:26
S399	69	S398 node	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:27
S400	28	S398 node parent	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:27

S401	5	S398 parent adj node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:29
S402	2	S398 (parent adj node) (intersect\$3 or overlap\$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:40
S403	3	(715/964.ccls. or 715/965. ccls. 715/966.ccls. 715/967. ccls. 715/969.ccls. 715/970. ccls.) (parent adj node) (intersect\$3 or overlap\$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:41
S406	7	(715/964.ccls. or 715/965. ccls. or 715/966.ccls. or 715/967.ccls. or 715/969. ccls. or 715/970.ccls.) AND ((intersect\$3 or overlap\$3 or collide or collision) with node) AND (intersect\$3 or overlap\$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:49
S410	10	(updat\$3 with hierarchy) (node with spacing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 18:51
S411	10	(updat\$3 with hierarchy) (node with spacing) parent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:04
S412	4	"screen navigation editor"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/05 16:37
S413	1	2004-315841.NFRAN.	DERWENT	AND	ON	2006/12/19 19:07
S421	16	Human machine interface screen naviga\$4 config\$5 designing collection linked hierarchically organized screen nodes HMI editor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:10

S424	29	Human machine interface screen navigat\$3 config\$5 design\$3 collection link\$3 hierarchical\$2 organiz\$2 screen node HMI editor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:12
S425	22	Human machine interface screen navigat\$3 config\$5 design\$3 collection link\$3 hierarchical\$2 organiz\$2 screen node HMI editor ((intersect\$3 or overlap\$3 or collide or collision) or (drag near3 drop))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:31
S426	4	Human machine interface screen navigat\$3 config\$5 design\$3 collection link\$3 hierarchical\$2 organiz\$2 screen node HMI editor (drag near3 drop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:15
S427	10	hierarchical\$2 node tree HMI editor (drag near3 drop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:19
S428	7	hierarchical\$2 node tree HMI editor (drag near3 drop) (parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:23
S429	2	hierarchical\$2 node tree HMI editor (drag near3 drop) (parent with updat \$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:24
S430	2	hierarchi\$5 node tree HMI editor (drag near3 drop) (parent with (updat\$3 or refresh or recreate or restore or regenerate or correct))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:32
S432	5	hierarchi\$5 tree HMI (drag near3 drop) (node with (updat\$3 or refresh or recreate or restore or regenerate or correct))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:33

S433	5	hierarchi\$5 tree HMI (drag near3 drop) (node with (updat\$3 or refresh\$3 or recreat\$3 or restor\$3 or regenerat\$3 or correct\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:37
S434	0	hierarchi\$5 tree HMI (drag near3 drop) near3 (over or "on" or "top of")(node with (updat\$3 or refresh\$3 or recreat\$3 or restor\$3 or regenerat\$3 or correct\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:37
S438	69	hierarchi\$5 tree (drag near3 drop) (node with (placement or arrangment or layout ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:53
S439	512	hierarchi\$5 tree (automatic \$4 with parent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:50
S440	25	hierarchi\$5 tree (drag near3 drop) (node with (placement or arrangment or layout )) (collide or collision or intersection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:57
S441	5	hierarchi\$5 tree (drag near3 drop) (node with (placement or arrangment or layout )) ((collide or collision or intersection) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:54
S442	17	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with parent) (collide or collision or intersection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 19:58
S443	8	hierarchi\$5 tree (drag near3 drop) (automatic\$4 with parent) ((collide or collision or intersection) with (node or parent or child or leaf))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 20:24



S444	14	hierarchi\$5 tree (drag near\$3 drop) (automatic\$4 with (node or parent or child or leaf)) ((collide or collision or intersection) with (node or parent or child or leaf))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 20:04
S445	14	hierarchi\$5 tree (drag near\$3 drop) (automatic\$4 with (node or parent or child or leaf)) ((collide or collision or intersection) near\$4 (node or parent or child or leaf))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 20:19
S446	1	hierarchi\$5 tree (drag near\$3 drop) (automatic\$4 with position with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 20:26
S447	1	hierarchi\$5 tree (drag near\$3 drop) (automatic\$4 with (\$3position\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 20:48
S448	2	hierarchi\$5 tree (drag near\$3 drop) (automatic\$4 with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting)) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 20:56
S449	11	hierarchi\$5 tree (drag near\$3 drop) ((automatic\$4 or recursiv\$2 or spontaneous\$2 or automated or reflexivly or impulsivly or voluntarily) with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:03

		with parent with node)				
S450	11	hierarchi\$5 tree (drag near\$3 drop) ((automatic\$4 or recursiv\$2 or spontaneous\$2 or automated or reflexivly or impulsivly or voluntarily) with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or situat\$3 (re adj distrib \$5) or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:04
S451	11	hierarchi\$5 tree (drag near\$3 drop) ((automatic\$4 or recursiv\$2 or spontaneous\$2 or automated or reflexivly or impulsivly or voluntarily) with (position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or situat\$3 (re adj distrib \$5) or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3 or distribut\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:06
S452	66	tree (node adj editor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:06
S453	7	tree (node adj editor) layout	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:08

S454	31	tree (node adj editor) ((layout or position\$3 or (re adj position) or (re adj positioning) or arrang\$3 or dispos\$3 or emplacement or plac\$3 or fix\$3 or locat \$3 or situat\$3 (re adj distrib \$5) or (re adj locate) or (re adj locating) or order\$3 or (re adj order) or (re adj ordering) placement or setting or (re adj setting) or adjust\$4 or updat\$3 or distribut\$3) with parent with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:10
S455	278	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:12
S456	211	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:13
S457	210	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally parent (child or leaf)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:12
S458	211	edit\$3 parent (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:15
S459	342	edit\$3 (position or location or layout or collection or arrangement) tree horizontal vertical (spacing or distanced or distancing) aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:16

S460	39	edit\$3 (position or location or layout or collection or arrangement) tree horizontal vertical ((spacing or distanced or distancing) same node) aligned node equally	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:19
S461	1152	345/440.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:21
S462	65	(editing tree).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:22
S463	94	(edit\$3 tree).ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:35
S464	1	1990-101229.NRAN.	DERWENT	AND	ON	2006/12/19 21:37
S465	1	345/440.ccls. 715/514.ccls. 715/764.ccls. 715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:41
S466	38	345/440.ccls. 715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:42
S467	4	345/440.ccls. 715/514.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 21:46
S468	38	345/440.ccls. 715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:34

S469	2	(update adj parent) node tree leaf spacing	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 22:10
S470	10	(update adj parent) node tree leaf distance	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 22:09
S471	1	(updating adj parent) node tree leaf spacing	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/19 22:10
S472	11	(update\$3 near3 parent) node tree leaf spacing	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 15:28
S473	22	(US-20030191608-\$ or US- 20020120921-\$).did. or (US-6259458-\$ or US- 6054986-\$ or US-5606654- \$ or US-5432897-\$ or US- 5386459-\$ or US-6067477- \$ or US-6975914-\$ or US- 6889096-\$ or US-6754885- \$ or US-6618856-\$ or US- 7017116-\$ or US-4914568- \$ or US-5301301-\$ or US- 6862105-\$ or US-6144962- \$ or US-5911145-\$ or US- 5870559-\$ or US-6549221- \$ or US-6684264-\$).did. or (JP-05307476-\$).did.	US-PGPUB; USPAT; JPO	AND	ON	2006/12/20 15:25
S474	1007	("20010034659"   "20020022900"   "20030004874"   "20030176940"   "20030177046"   "20030181991"   "20040046997"   "3665172"   "3810119"   "3825905"   "4006464"   "4064394"   "4096566"   "4141066"   "4276593"   "4302820"   "4312068"   "4315315"   "4323966"   "4347563"   "4399513"   "4410942"   "4413314"   "4423486"   "4428044"	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:27

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"4628437"	"4635183"
"4639852"	"4641269"
"4641276"	"4644478"
"4644479"	"4648064"
"4649479"	"4656603"
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S476	33	S474 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 15:32
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S478	125	S477 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 15:43
S479	26	S477 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3)) (intersect\$3 or overlap \$3 or collide or collision)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 15:44

S480	11	S477 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3)) ((intersect\$3 or overlap\$3 or collide or collision) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 15:45
S481	327	(("20030050915"   "3816726"   "4524421"   "4528643"   "4613946"   "4698752"   "4710763"   "4719571"   "4807158"   "4833592"   "4841292"   "4868771"   "4928247"   "4994989"   "5043920"   "5072395"   "5150457"   "5164904"   "5201047"   "5226120"   "5228119"   "5247517"   "5247666"   "5251131"   "5253333"   "5276789"   "5282262"   "5295243"   "5295244"   "5297241"   "5303388"   "5307456"   "5325445"   "5333254"   "5337404"   "5339390"   "5379422"   "5386394"   "5394522"   "5412772"   "5418946"   "5420968"   "5426780"   "5428744"   "5459829"   "5463773"   "5467444"   "5479597"   "5504863"   "5515486"   "5515488"   "5519865"   "5526478"   "5528735"   "5546529"   "5553163"   "5555354"   "5557714"   "5559942"   "5572640"   "5592599"   "5604821"   "5619632"   "5623590"   "5634087"   "5644740"   "5659731"   "5671333"   "5671381"   "5675711"   "5675785"   "5675786"   "5678015"   "5680476"   "5684967"   "5694524"   "5696964"   "5706495"   "5715432"   "5724573"   "5727199"   "5732230"   "5737487"   "5748852"   "5751965"   "5761664"   "5761667"   "5774669"   "5786820"   "5787274"   "5802383"   "5821937"   "5861891"   "5870768"   "5877775"	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:53



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S482	7	S481 (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) with (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3)) ((intersect\$3 or overlap\$3 or collide or collision) with node)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:51
S483	101	S477 S481	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:55
S484	67	(hierarchical display).ti.	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:56
S485	31	(hierarchical near3 display) (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3)) ((intersect\$3 or overlap\$3 or collide or collision) with node)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 15:59
S486	6	(edit\$3 with hierarchical near3 display) (((parent or root or (top adj level) or (top adj most) or father or mother) near3 node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3))	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 16:00
S487	8	(edit\$3 with hierarchical near3 display) (((parent or root) with node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom\$3))	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 16:01
S488	54	(edit\$3 with (hierarchical or tree) near3 display) (((parent or root) with node) same (updat\$3 or position\$3 or locat\$3 or place\$4 or new or becom \$3))	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 16:02

S489	3	((edit\$3 with (hierarchical or tree) near3 display) (((parent or root) with node) with ((intersect\$3 or overlap\$3 or collide or collision) with node))	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 16:06
S491	207	((hierarchical or tree)) (((parent or root or top) with node) with ((drag\$3 adj over) or drop))	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 16:11
S492	2	((hierarchical or tree)) (((parent or root or top) with node) near5 ((drag\$3 adj over) or (drop adj over)))	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 16:13
S493	152	((hierarchical or tree)) (((parent or root or top) with node) near5 ((drag\$3 or drop\$3)))	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 16:13
S494	2	"5911145".pn.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 22:52
S495	504	detect\$4 (collision with between with nodes)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:38
S496	222	detect\$4 same (collision with between with nodes)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:38
S497	2	"7035898".pn.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:38
S498	2	((hierarchical or tree)) (((parent or root or top) with node) with (drag adj over))	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:45

S499	10887	(hierarchic\$5 tree) (editor or editing or modifying)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:58
S500	53	(hierarchic\$5 tree) (re adj position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:58
S501	32	(hierarchic\$5 tree) (re adj position) node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 17:59
S502	794	715/853.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:34
S503	307	715/853.ccls. (updat\$3 (parent or node or root))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:34
S504	42	715/853.ccls. (updat\$3 near3 (parent or node or root))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:41
S505	13	715/853.ccls. (reorder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:42
S506	112	715/853.ccls. shift	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:43
S507	3	715/853.ccls. (vertical adj tree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:43

SS08	127	715/853.ccls. ((node or root or parent) with position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:44
SS09	89	715/853.ccls. ((node or root or parent) near3 position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:45
SS10	14	715/853.ccls. (adjust near3 position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:48
SS11	75	715/853.ccls. (node near3 position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 18:52
SS12	35	715/853.ccls. ((intersection OR overlap or collide or collision or intersection or junction or overlap or cover or overlie) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:05
SS13	32	715/853.ccls. ((intersection OR overlap or collide or collision or intersection or junction or overlap or covering or overlie) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:06
SS14	24	715/853.ccls. ((intersection OR overlap or collide or collision or intersection or junction or overlap or overlie) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:12
SS15	2	"5911145".pn. automatic\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:07
SS16	47	715/853.ccls. (node near3 automatic\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:28

SS17	0	715/853.ccls. (node near3 automatic\$4) with insert	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:10
SS18	2	715/853.ccls. (node near3 automatic\$4) with drop	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:11
SS19	5	715/853.ccls. (node with automatic\$4 with drop)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:12
SS20	55	(node with automatic\$4 with ((intersection or overlap or collide or collision or intersection)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:13
SS21	1257	drop adj node	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:13
SS22	70	(drop adj node) editor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:16
SS23	103	(Tree adj View adj Control)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 19:23
SS24	363	(shift with (parent or root or node) with right)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:04
SS25	125	(shift with (parent or root or node) with right) tree	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:04

S526	10	715/853.ccls. Collision	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:30
S527	1	715/853.ccls. (Collision with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:30
S528	33	715/853.ccls. ((Collision or overlap\$3 or intersec\$4) with node)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:36
S529	34	715/853.ccls. ((Collision or overlap\$3 or intersec\$4) with object)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:39
S530	15	715/853.ccls. (adjusting with position )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:49
S531	211	715/853.ccls. layout	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:50
S532	142	S531 automatic\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:49
S533	6	715/853.ccls. (layout with automatic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:50
S534	15	715/853.ccls. (layout with automatic\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:53

S535	144	(vertical adj tree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:53
S536	28	(vertical adj tree) (horizontal adj tree)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 20:53
S537	55	("4606002"   "4611272"   "4945475"   "5058144"   "5202986"   "5230047"   "5257365"   "5293616"   "5295261"   "5333317"   "5377281"   "5392363"   "5404510"   "5418947"   "5487166"   "5488717"   "5495609"   "5497485"   "5528701"   "5530957"   "5534861"   "5551027"   "5557786"   "5560007"   "5644763"   "5649023"   "5651099"   "5664172"   "5694591"   "5701467"   "5717921"   "5737732"   "5752243"   "5761652"   "5765168"   "5768423"   "5781772"   "5787430"   "5799184"   "5799299"   "5809296"   "5832182"   "5842196"   "5848416"   "5873087"   "5884297"   "5963956"   "5970170"   "6014659"   "6041053"   "6153591"   "6175835"   "6208993"   "6240418"). PN. OR ("6675173").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 20:56
S538	71	(visual adj tree)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:00
S539	347	(dynamic near3 (tree or hierarchy)) visual	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:01
S540	192	(dynamic near3 (tree or hierarchy)) editor	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:01
S541	409	(dynamic near3 (tree or hierarchy)) edit\$3	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:01
S542	9	(dynamic near3 (tree or hierarchy)) with edit\$3	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:03
S543	27	(tree or hierarchy) (relocate near3 node)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:15
S544	45	(tree near3 structure near3 editor)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:35

S545	37	("4075689"   "4318184"   "4447875"   "4468728"   "4611298"   "4613946"   "4656603"   "4677550"   "4710763"   "4763277"   "4764867"   "4813010"   "4817036"   "4831525"   "4860204"   "4866635"   "4868743").PN. OR ("5493678").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:22
S546	137	(become near3 new near3 parent)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:26
S547	80	(become near3 new near3 parent) (tree or hierarchy)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:32
S548	89	(become near3 new near3 parent) (tree or hierarch \$4)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:32
S549	154	(become near3 new near2 parent or root)) (tree or hierarch\$4)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:33
S550	183	((tree adj structure) near3 edit\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:36
S551	142	(tree adj structure) near3 (editor or editing)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 22:20
S552	24	(tree adj structure) near3 (editor or editing) (drag\$3 with drop\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 21:44
S553	9	(NetObjects).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 22:11
S554	14	(Arora Samir).inv.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 22:56
S556	4	("5911145"   "6237006"   "6282454"   "6421571"). PN.	USPAT	AND	ON	2007/04/02 10:51



S561	24	(US-20020120921-\$ or US-20030191608-\$).did. or (US-4914568-\$ or US-5432897-\$ or US-5606654-\$ or US-5870559-\$ or US-5911145-\$ or US-6054986-\$ or US-6067477-\$ or US-6144962-\$ or US-6259458-\$ or US-6549221-\$ or US-6618856-\$ or US-6684264-\$ or US-6754885-\$ or US-6889096-\$ or US-6975914-\$ or US-7017116-\$ or US-5386459-\$ or US-6862105-\$ or US-6067093-\$ or US-5493678-\$ or US-5812135-\$).did. or (JP-05307476-\$).did.	US-PGPUB; USPAT; JPO	AND	ON	2006/12/20 23:39
S562	127	S508 position	US-PGPUB; USPAT; JPO	AND	ON	2006/12/20 23:39
S563	20	S561 position	US-PGPUB; USPAT; JPO	AND	ON	2006/12/20 23:41
S564	7	S561 (position near3 node)	US-PGPUB; USPAT; JPO	AND	ON	2006/12/20 23:46
S565	2	S561 (relocat\$3 near3 node)	US-PGPUB; USPAT; JPO	AND	ON	2006/12/20 23:46
S566	18	("4524421"   "4613946"   "4710763"   "4841292"   "5333254"   "5557714"   "5592599"   "5619632"   "5774669"   "5786820"   "5877775").PN. OR ("6259458").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/20 23:48
S567	2	"5911145".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/20 23:54
S568	2	hierarchi\$5 node tree HMI (drag near3 drop) (parent with (updat\$3 or refresh or recreate or restore or regenerate or correct))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/02 09:23
S569	98	(Industrial plant).ti.	USPAT	AND	ON	2007/04/02 10:52
S570	549	(Industrial plant).ab.	USPAT	AND	ON	2007/04/02 10:52
S571	522	(Industrial plant).dm.	USPAT	AND	ON	2007/04/02 10:52
S572	151	(Industrial adj plant).dm.	USPAT	AND	ON	2007/04/02 10:52

S573	223	(Industrial adj plant).d.m.	US-PGPUB; USPAT	AND	ON	2007/04/02 10:52
S574	48	(Industrial adj plant).ti.	US-PGPUB; USPAT	AND	ON	2007/04/02 10:52
S575	9	(Industrial adj plant).ti. vertical horizontal	US-PGPUB; USPAT	AND	ON	2007/04/02 10:53
S576	30	(Industrial plant).ti. vertical horizontal	US-PGPUB; USPAT	AND	ON	2007/04/02 10:54
S577	5	(Industrial plant).ti. vertical horizontal GUI	US-PGPUB; USPAT	AND	ON	2007/04/02 10:59
S578	5	S577 position	US-PGPUB; USPAT	AND	ON	2007/04/02 10:59
S579	5	S577 parent position	US-PGPUB; USPAT	AND	ON	2007/04/02 10:59
S580	5	S577 (parent same position)	US-PGPUB; USPAT	AND	ON	2007/04/02 10:59
S581	5	S577 (parent with position)	US-PGPUB; USPAT	AND	ON	2007/04/02 11:00
S582	0	S577 (parent with adjusting) recursivlyu	US-PGPUB; USPAT	AND	ON	2007/04/02 11:02
S583	6	HMI adj user adj screens	US-PGPUB; USPAT	AND	ON	2007/04/02 11:25
S584	63	HMI adj screens	US-PGPUB; USPAT	AND	ON	2007/04/02 11:30
S585	28	(HMI adj screens) parent	US-PGPUB; USPAT	AND	ON	2007/04/02 12:38
S586	3	(HMI adj screens) (drag with drop)	US-PGPUB; USPAT	AND	ON	2007/04/02 12:39
S587	0	(process with visualization) (drag with drop)	US-PGPUB; USPAT	AND	ON	2007/04/02 15:20
S588	144	(process with visualization) (drag with drop)	US-PGPUB; USPAT	AND	ON	2007/04/02 12:40
S589	144	(process with visualization) (drag with drop)	US-PGPUB; USPAT	AND	ON	2007/04/02 12:40
S590	84	(process with visualization) (drag with drop) hierarchy	US-PGPUB; USPAT	AND	ON	2007/04/02 13:10
S591	3	(process with visualization) (Supervisory adj Control adj system) (drag with drop) hierarchy	US-PGPUB; USPAT	AND	ON	2007/04/02 13:11
S592	1	2004-315841.NFRAN.	DERWENT	AND	ON	2007/04/02 13:13
S593	1	2004-315841.NFRAN.	DERWENT	AND	ON	2007/04/02 13:13

S594	51568	process visualization	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/02 15:19
S595	41	(process with visualization) (drag with drop) editor	US-PGPUB; USPAT	AND	ON	2007/04/02 15:20
S596	915	hmi process	US-PGPUB	AND	ON	2007/04/02 15:37
S600	174	((industrial process).ti.	US-PGPUB	AND	ON	2007/04/02 15:39
S601	1746	((industrial process).clm.	US-PGPUB	AND	ON	2007/04/02 15:40
S602	416	((industrial near process). clm.	US-PGPUB	AND	ON	2007/04/02 15:40
S603	381	((industrial adj process). clm.	US-PGPUB	AND	ON	2007/04/02 15:40
S604	15	((industrial adj process). clm. GUI	US-PGPUB	AND	ON	2007/04/02 15:40
S605	0	((industrial adj process). clm. GUI editor.ti.	US-PGPUB	AND	ON	2007/04/02 15:40
S608	3	((process editor).ti.	US-PGPUB	AND	ON	2007/04/02 15:41
S609	10	((hmi with editor) "715". clas.	US-PGPUB	AND	ON	2007/04/02 15:43
S610	25	((hmi with editor)	US-PGPUB	AND	ON	2007/04/02 15:44
S611	22	((hmi with editor) position	US-PGPUB	AND	ON	2007/04/02 15:46
S612	28	((hmi or (human adj machine adj interface)) with edit\$3) position	US-PGPUB	AND	ON	2007/04/02 15:47
S613	5	((hmi or (human adj machine adj interface)) with edit\$3) position (dragged with top)	US-PGPUB	AND	ON	2007/04/02 15:48
S618	188	715/967.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 13:44
S619	39	715/967.ccls. industrial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 13:44

S620	19	715/967.ccls. industrial (drag or drop)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 13:45
S621	19	715/967.ccls. industrial (drag or drop)	US-PGPUB; USPAT	AND	ON	2007/04/03 13:45
S622	52	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop)	US-PGPUB; USPAT	AND	ON	2007/04/03 13:46
S623	11	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop) parent node	US-PGPUB; USPAT	AND	ON	2007/04/03 13:46
S624	5	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop) parent same node	US-PGPUB; USPAT	AND	ON	2007/04/03 13:46
S625	5	((715/967.ccls.) OR (715/771.ccls.)) industrial (drag or drop) (parent same node)	US-PGPUB; USPAT	AND	ON	2007/04/03 13:55
S626	1	"5905989".pn.	US-PGPUB; USPAT	AND	ON	2007/04/03 13:50
S627	73	("4591983"   "4628435"   "4644479"   "4719586"   "4803039"   "4815014"   "4839823"   "4853175"   "4855923"   "4858102"   "4947095"   "5068080"   "5099436"   "5119318"   "5148363"   "5161110"   "5189604"   "5195029"   "5214577"   "5216612"   "5239547"   "5249260"   "5251144"   "5267141"   "5305426"   "5333240"   "5355444"   "5398304"   "5402526"   "5403447"   "5406502"   "5412756"   "5414632"   "5442562"   "5463545"   "5463567"   "5511004"   "5521844"   "5541832"   "5557549"   "5559691"   "5561610"   "5617514"   "5630025"   "5659743").PN. OR ("5905989").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 13:54
S631	21	((715/967.ccls.) OR (715/771.ccls.)) (parent with node)	US-PGPUB; USPAT	AND	ON	2007/04/03 14:06
S632	10	((715/967.ccls.) OR (715/771.ccls.)) (parent with node) hierarchy	US-PGPUB; USPAT	AND	ON	2007/04/03 14:14

S633	9	((715/967.ccls.) OR (715/771.ccls.)) (parent with position)	US-PGPUB; USPAT	AND	ON	2007/04/03 14:21
S635	6	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node)	US-PGPUB; USPAT	AND	ON	2007/04/03 14:22
S636	6	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node) parent node	US-PGPUB; USPAT	AND	ON	2007/04/03 14:22
S637	2	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node) parent node recursively	US-PGPUB; USPAT	AND	ON	2007/04/03 14:23
S638	2	((715/967.ccls.) OR (715/771.ccls.)) (parent adj node) recursively	US-PGPUB; USPAT	AND	ON	2007/04/03 14:23
S639	125	industrial (parent adj node) recursively	US-PGPUB; USPAT	AND	ON	2007/04/03 14:24
S640	115	industrial (parent adj node) recursively (not (INDUSTRIAL adj APPLICABILITY))	US-PGPUB; USPAT	AND	ON	2007/04/03 14:24
S641	6	industrial plant (parent adj node) recursively	US-PGPUB; USPAT	AND	ON	2007/04/03 17:23
S642	1	(10/196007).APP.	USPAT; USOCR	AND	ON	2007/04/03 14:25
S643	2	(industrial with plant) (automated with controller) (recursively with update)	US-PGPUB; USPAT	AND	ON	2007/04/03 14:29
S644	2	"20040128120".pn. or "20040073404".pn.	US-PGPUB; USPAT	AND	ON	2007/04/03 16:42
S645	225	(node with collision) industrial	US-PGPUB; USPAT	AND	ON	2007/04/03 16:43
S646	36	(node with collision) industrial plant	US-PGPUB; USPAT	AND	ON	2007/04/03 16:44
S647	13	(node with overlap) industrial plant	US-PGPUB; USPAT	AND	ON	2007/04/03 16:44
S648	8	((715/967.ccls.) OR (715/771.ccls.)) industrial (drop with top)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:47
S650	1	((715/967.ccls.)) (drop with top)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:48
S651	45	(drop same (updat\$3 with hierarchy))	US-PGPUB; USPAT	AND	ON	2007/04/03 16:51
S652	10	(automated adj machine adj controller)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:58
S653	1192	(automated )(machine adj controller)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:53
S654	276	(automated )(machine adj controller) cell control	US-PGPUB; USPAT	AND	ON	2007/04/03 16:53

S655	276	((automated )(machine adj controller) (cell control)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:54
S656	3	((automated )(machine adj controller) (cell adj control)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:54
S657	2	((715/967.ccls.) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:55
S658	1	((industrial near3 plant) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:37
S659	15	((manufactur\$3 or industrial or automation) near3 plant) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2007/04/03 16:57
S660	25	((manufactur\$3 or industrial or automation or process\$3) near3 plant) (updat\$3 with hierarchy)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:06
S661	27	((vertical adj tree) (horizontal adj tree)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:09
S662	2099	((vertical\$5 with tree) (horizontal\$5 with tree)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:10
S663	99	((vertical\$5 with tree) (horizontal\$5 with tree) (drag\$4 drop\$4)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:10
S664	7	((vertical\$5 with tree) (horizontal\$5 with tree) (drag\$4 drop\$4) ((manufactur\$3 or industrial or automation or process\$3) near3 plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 19:32
S665	10	industrial plant (drag adj drop) recursively	US-PGPUB; USPAT	AND	ON	2007/04/03 17:30
S666	15	"6282455"	US-PGPUB; USPAT	AND	ON	2007/04/03 17:28
S667	2	industrial plant (drag adj drop) (recursively with updat\$3)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:31
S668	38	industrial plant (drag drop) (recursive\$3)	US-PGPUB; USPAT	AND	ON	2007/04/03 17:31
S669	14	industrial plant (drag drop) (recursive\$3) tree	US-PGPUB; USPAT	AND	ON	2007/04/03 17:32
S670	2	industrial ((drag drop) same (recursive\$3))	US-PGPUB; USPAT	AND	ON	2007/04/03 17:33
S671	21	industrial ((drag or drop) same (recursive\$3))	US-PGPUB; USPAT	AND	ON	2007/04/03 17:33
S672	1	"7165226".pn.	US-PGPUB; USPAT	AND	ON	2007/04/03 17:37
S673	3	"6,889,096"	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 17:43

S674	20	("20050004781"   "5072412"   "5247433"   "6189019"   "6587108"   "6795798"   "6888554"   "6889096"   "6947798"   "6966033").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 17:53
S675	10	("20050004781"   "5072412"   "5247433"   "6189019"   "6587108"   "6795798"   "6888554"   "6889096"   "6947798"   "6966033").PN.	US-PGPUB; USPAT	AND	ON	2007/04/03 17:53
S676	1	"6477435".pn.	US-PGPUB; USPAT	AND	ON	2007/04/03 17:58
S677	8	("5812394"   "5822206"   "6161051").PN. OR ("6477435").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 18:28
S678	1	"20060256084".pn.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 18:31
S679	3	("5546521"   "5777616"   "6347800").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 18:31
S680	3	("6055369"   "20010029506"   "5926180").pn.	US-PGPUB; USPAT	AND	ON	2007/04/03 19:05
S681	2	"6421571".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:09
S682	62	("4399513"   "4413314"   "4644479"   "4803039"   "4872121"   "4985857"   "5202828"   "5291416"   "5311562"   "5559691"   "5602757"   "5623109"   "5631825"   "5675752"   "5719796"   "5748881"   "5822743"   "5826251"   "5838588"   "5854994"   "5859885"   "5870698"   "5877961"   "5899990"   "5905985"   "5905989"   "5918225"   "5963884"   "5995916"   "RE31750"). PN. OR ("6421571").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 19:12
S683	3	S682 drag drop	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 19:21
S684	140	(Industrial plant).ti.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/03 19:22
S685	31	(Industrial plant).ti.	US-PGPUB	AND	ON	2007/04/03 19:27

S686	51	"5911145"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:29
S687	3	"5911145" industrial	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:30
S688	45	"5911145" process	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:30
S689	33	"5911145" process control	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:31
S690	10	"5911145" process with control	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:31
S691	7	(vertical\$5 with tree) (horizontal\$5 with tree) (drag\$4 drop\$4) (((manufactur\$3 or industrial or automation or process\$3 or scada) near\$3 plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 19:33
S692	2	"6282454".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/03 19:36
S693	1	"6282454".pn.	US-PGPUB; USPAT	AND	ON	2007/04/03 19:36



S694	22	(US-20030028269-\$ or US-20030101021-\$ or US-20030191608-\$ or US-20030023518-\$).did. or (US-6054986-\$ or US-4914568-\$ or US-6975914-\$ or US-6854111-\$ or US-6067477-\$ or US-6754885-\$ or US-6618856-\$ or US-7017116-\$ or US-6259458-\$ or US-6067093-\$ or US-5606654-\$ or US-5432897-\$ or US-6144962-\$ or US-5870559-\$ or US-5493678-\$ or US-6549221-\$ or US-6684264-\$ or US-5812135-\$).did.	US-PGPUB; USPAT	AND	ON	2007/04/03 19:39
S695	1	S694 drag with top	US-PGPUB; USPAT	AND	ON	2007/04/03 19:42
S696	25	("4812996"   "4868785"   "4884228"   "5136705"   "5155836"   "5481741"   "5630164"   "5812394"   "5966532"   "5991537"   "5309352"   "5801942"   "5828851"   "5838563"   "5970471"   "6053951"   "6061057"   "6064816"   "6098028"   "6173438"   "6219628"   "6785805"   "6083267"   "6167383"   "6339763").PN.	US-PGPUB; USPAT	AND	ON	2007/04/03 19:48
S697	15	S696 (drop or drag)	US-PGPUB; USPAT	AND	ON	2007/04/03 19:54
S698	0	industrial (recursively with update with (hierarchy or tree))	US-PGPUB; USPAT	AND	ON	2007/04/03 19:54
S699	0	industrial (recursively same update with (hierarchy or tree))	US-PGPUB; USPAT	AND	ON	2007/04/03 19:54
S700	0	industrial (recursively same (update with (hierarchy or tree)))	US-PGPUB; USPAT	AND	ON	2007/04/03 19:54
S701	30	(recursively same (update with (hierarchy or tree)))	US-PGPUB; USPAT	AND	ON	2007/04/03 19:58
S702	6	(update with (hierarchy or tree)) (industrial plant).ab.	US-PGPUB; USPAT	AND	ON	2007/04/03 19:58
S703	2	(recursively with updat\$3) hierarchy (drag\$3 or drop \$3) (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 19:59

S704	2	(recursively with updat\$3) hierarchy (drag\$3 or drop \$3 or "on top of") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 19:59
S705	2	(recursively with updat\$3) hierarchy (drag\$3 or drop \$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 19:59
S706	64	(updat\$3) hierarchy (drag \$3 or drop\$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 20:00
S707	0	((updat\$3) with hierarchy) (drag\$3 or drop\$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 20:00
S708	8	((updat\$3) with (hierarchy or tree or link)) (drag\$3 or drop\$3 or "on top") (industrial adj plant)	US-PGPUB; USPAT	AND	ON	2007/04/03 20:01
S709	2839	(industrial adj plant).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/04/05 16:37
S710	247	(industrial adj plant).ab.	US-PGPUB; USPAT	AND	ON	2007/04/05 16:44
S711	526	(715/965.ccls. or 715/966.ccls. or 715/967.ccls. or 715/969.ccls. or 715/970.ccls.)	US-PGPUB; USPAT	AND	ON	2007/04/05 16:50
S712	96	S711 industrial	US-PGPUB; USPAT	AND	ON	2007/04/05 16:50
S713	30	S712 Hierarchic\$4	US-PGPUB; USPAT	AND	ON	2007/04/05 16:51
S714	17	S713 (drag\$3 or drop\$3)	US-PGPUB; USPAT	AND	ON	2007/04/05 16:51
S715	1681	(human-machine adj interface) or (human adj machine adj interface) rearrang\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/14 15:38
S716	1649	(human-machine adj interface) or (human adj machine adj interface) rearrang\$4 tree hierarch\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/14 15:39
S717	1646	(human-machine adj interface) or (human adj machine adj interface) rearrang\$4 tree hierarch\$4 dragging	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/14 15:40

S718	1369	(human-machine adj interface) or (human adj machine adj interface) rearrang\$4 tree hierarch\$4 dragging @AD<"20020923" expand \$3 collaps\$3 tree structure	US-PGPUB; USPAT	AND	ON	2007/08/14 15:42
S719	2	((human-machine adj interface) or (human adj machine adj interface)) rearrang\$4 tree hierarch\$4 dragging @AD<"20020923" expand \$3 collaps\$3 tree structure	US-PGPUB; USPAT	AND	ON	2007/08/14 16:11
S720	5	("2003/0028269").URPN.	USPAT	AND	ON	2007/08/14 15:43
S721	2	("5877775"   "5701137"). pn.	US-PGPUB; USPAT	AND	ON	2007/08/14 15:52
S722	2	((human-machine adj interface) or (human adj machine adj interface) or (Computerized adj Maintenance adj Management adj System )) rearrang\$4 tree hierarch\$4 dragging @AD<"20020923" expand \$3 collaps\$3 tree structure	US-PGPUB; USPAT	AND	ON	2007/08/14 16:49
S723	2	((human-machine adj interface) or (human adj machine adj interface) or (Computerized adj Maintenance adj Management adj System )) rearrang\$4 tree hierarch\$4 dragging @AD<"20020923" expand \$3 collaps\$3 ((Tree adj Object) or (Tree adj View))	US-PGPUB; USPAT	AND	ON	2007/08/14 16:50
S724	1447	SCADA	US-PGPUB; USPAT	AND	ON	2007/08/14 19:14
S725	62	SCADA tree hierarch\$4 dragging	US-PGPUB; USPAT	AND	ON	2007/08/16 15:11
S726	21	SCADA tree hierarch\$4 dragging @AD<"20020923"	US-PGPUB; USPAT	AND	ON	2007/08/16 12:47

S727	21	(US-20020077711-\$ or US-20030037322-\$ or US-20030037316-\$ or US-20030035010-\$ or US-20030035009-\$ or US-20030035006-\$ or US-20030035005-\$ or US-20030034998-\$ or US-20030071845-\$ or US-20030071842-\$ or US-20030184596-\$ or US-20030184595-\$ or US-20030184580-\$).did. or (US-6067477-\$ or US-6477434-\$ or US-6754885-\$ or US-7062718-\$ or US-7089530-\$ or US-7096465-\$ or US-7134090-\$ or US-7206646-\$).did.	US-PGPUB; USPAT	AND	ON	2007/08/16 12:49
S728	9	SCADA tree hierarch\$4 dragging recur\$	US-PGPUB; USPAT	AND	ON	2007/08/16 16:00
S733	1	09/448845.app.	US-PGPUB; USPAT	AND	ON	2007/08/16 16:01
S734	43	(US-20030023518-\$ or US-20020077711-\$ or US-20030028269-\$ or US-20030037322-\$ or US-20030071842-\$ or US-20030071845-\$ or US-20030184580-\$ or US-20030184595-\$ or US-20030034998-\$ or US-20030035005-\$ or US-20030035006-\$ or US-20030035009-\$ or US-20030035010-\$ or US-20030037316-\$ or US-20030184596-\$ or US-20030191608-\$ or US-20030101021-\$).did. or (US-7096465-\$ or US-7134090-\$ or US-7206646-\$ or US-6975914-\$ or US-6054986-\$ or US-5838563-\$ or US-6477434-\$ or US-7089530-\$ or US-7062718-\$ or US-6754885-\$ or US-6067477-\$ or US-6854111-\$ or US-6618856-\$ or US-7017116-\$ or US-4914568-\$ or US-6144962-\$ or US-5870559-\$ or US-6684264-\$ or US-6549221-\$ or US-6259458-\$ or US-6067093-\$ or US-5606654-\$ or US-5432897-\$ or US-5493678-	US-PGPUB; USPAT	AND	ON	2007/08/16 18:52

		\$ or US-5812135-\$ or US-6053951-\$). did.				
S735	40	S734 not ("20020120921"   "5701137"   "5877775"   "5911145"   "6054986"   "6237006"   "6282454"   "6421571"   "6477435"   "6854111"   "6965855"   "7017116"). PN.	US-PGPUB; USPAT	AND	ON	2007/08/16 18:52

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